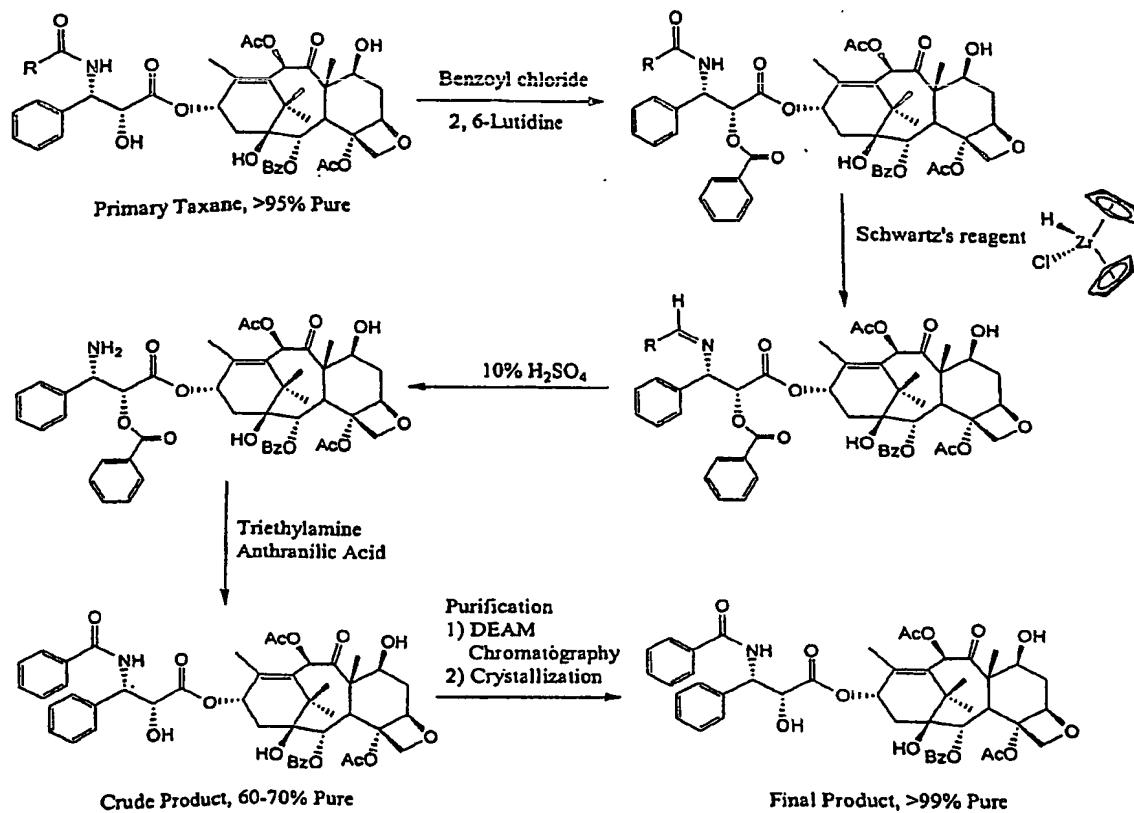


1/8

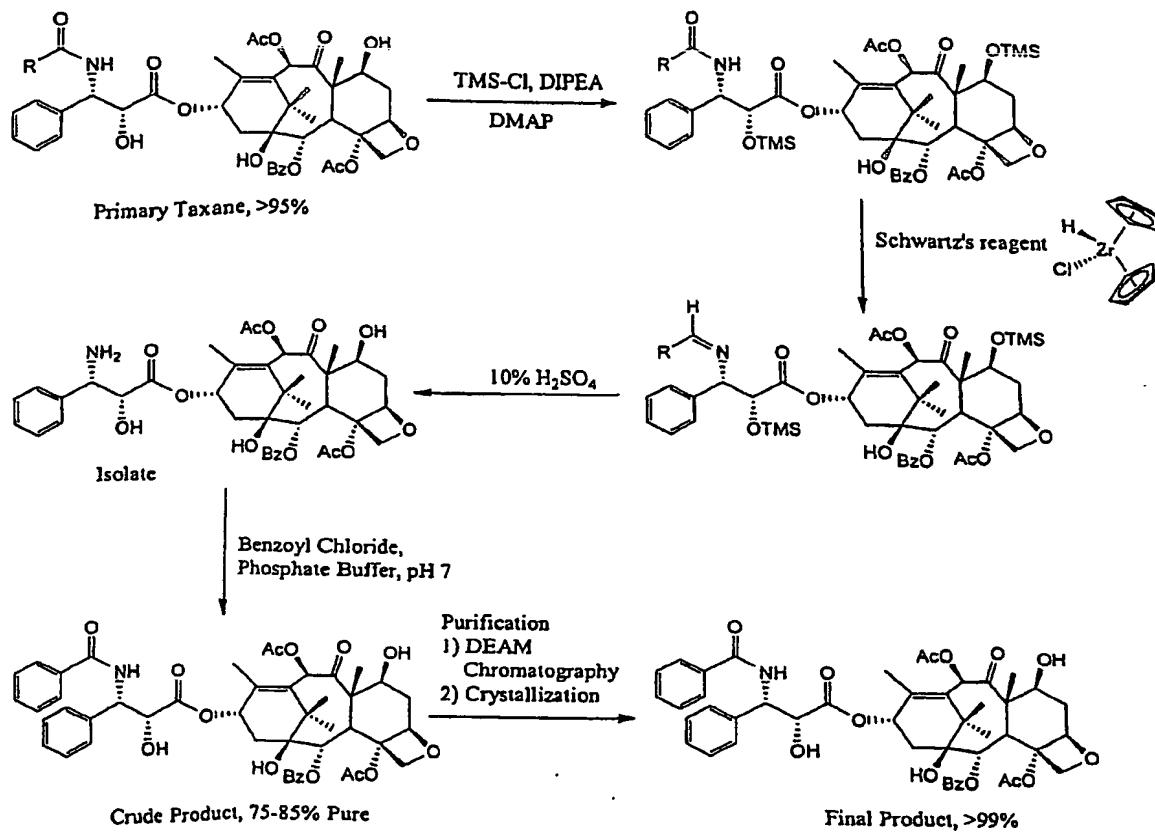
FIGURE 1

C-2'-O-Benzoyl Migration Chemistry

2/8

FIGURE 2

Primary Amine Conversion Chemistry



3/8

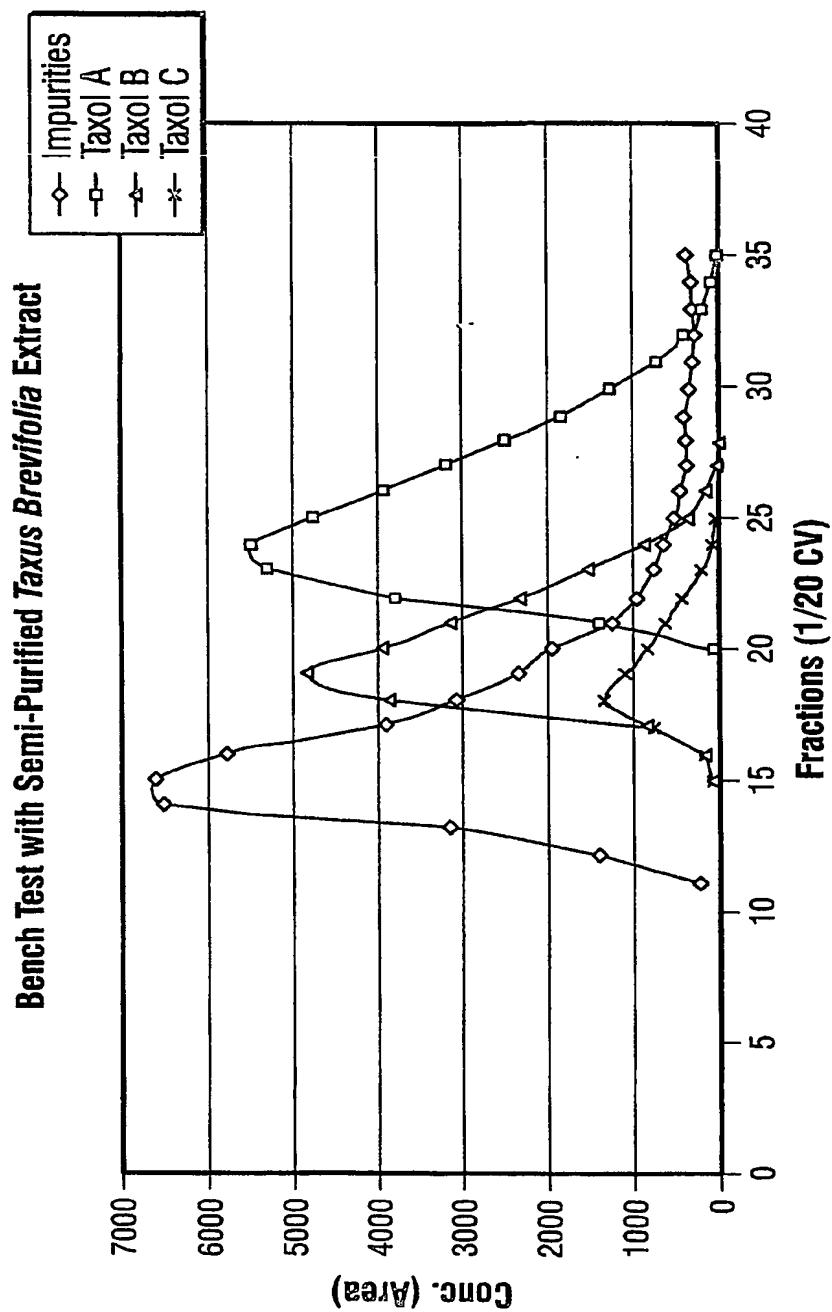


FIG. 3

4/8

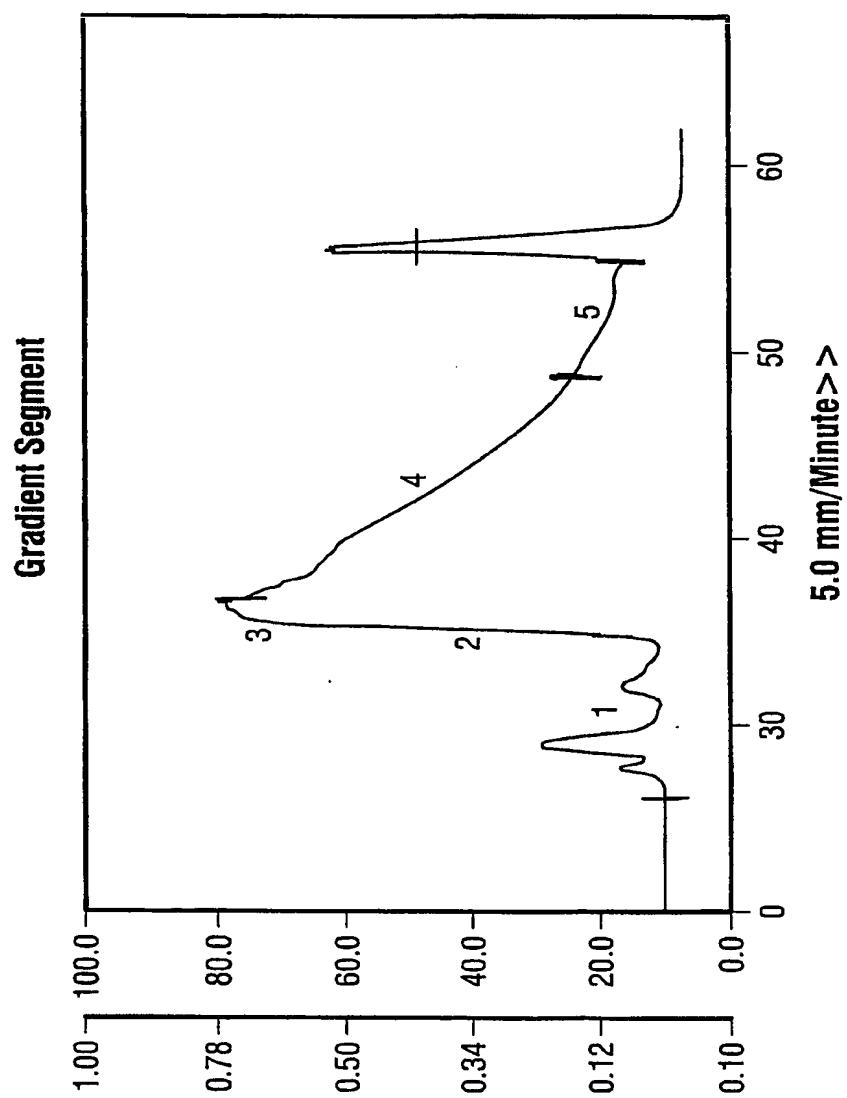
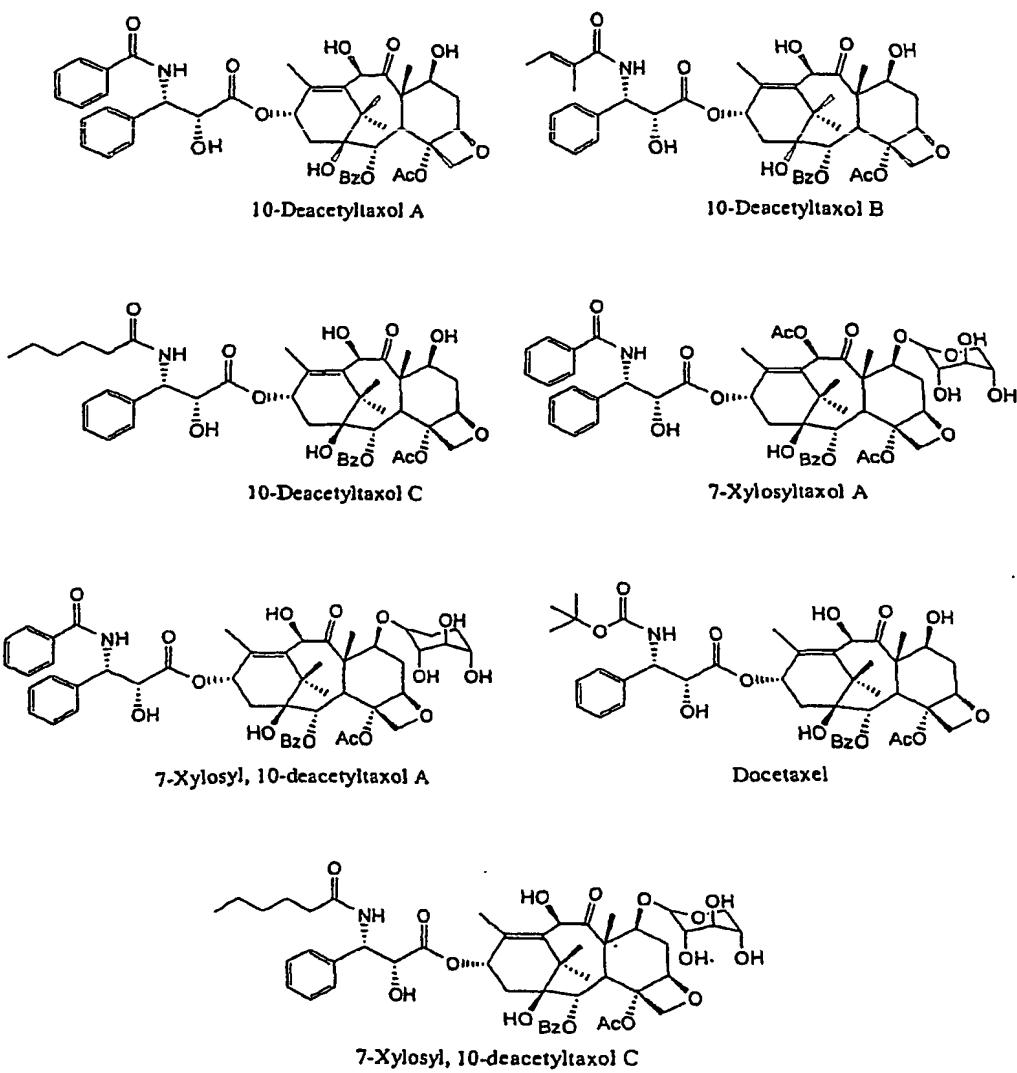
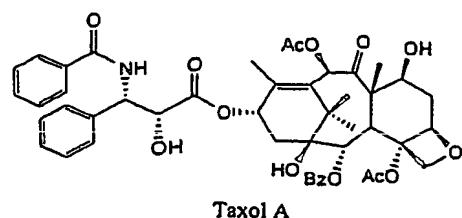


FIG. 4

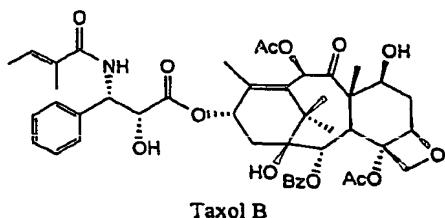
5/8

FIGURE 5**Taxane Molecules**

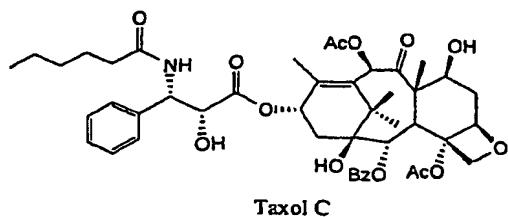
6/8

FIGURE 6**Primary Taxanes**

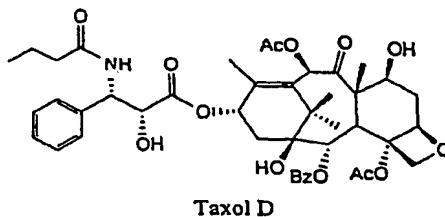
Taxol A



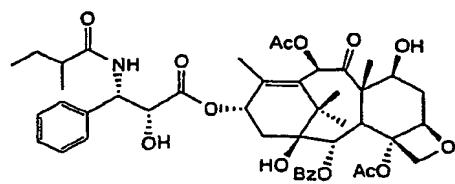
Taxol B



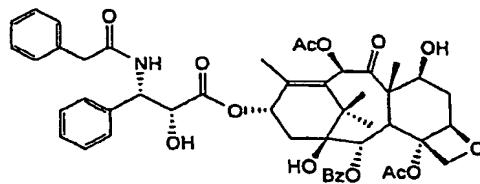
Taxol C



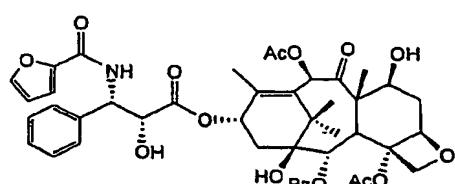
Taxol D



Taxol E

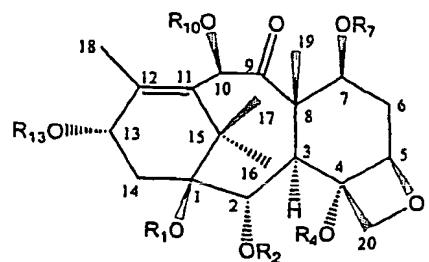
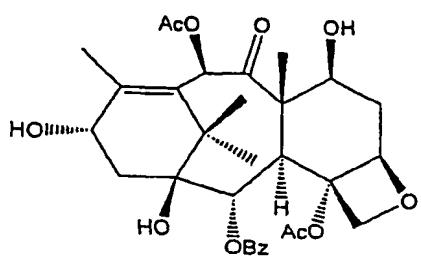
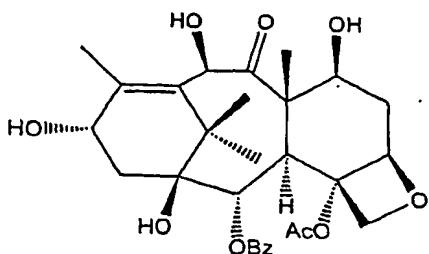


Taxol F



Taxol G

7/8

FIGURE 7**FIGURE 8****FIGURE 9**

8/8

FIGURE 10**Comparison of Retention of Times of Taxane Standards on Differing Media**

Taxane	Rf ³	C-18 ⁵ Rf ⁴	Rel Rf ⁵	Rf ⁷	Silica ² Rf ⁶	PEI ³ Rf ⁷	Rel Rf ⁶	PEI ³ Rf ⁷	Dream ⁴ Rf ⁷	Rel Rf ⁶
10-Deacetyl-Baccatin III	3.3	0.16	27.9	2.53	11.7	0.92	9.7	9.7	0.73	
Baccatin III	6.3	0.31	11.1	1.01	5.5	0.44	5.6	5.6	0.42	
10-Deacetyl-Taxol	12.5	0.61	26.8	2.43	55.2	4.36	41.6	41.6	3.13	
Cephalomannine	18.1	0.88	12.7	1.15	8.9	0.71	8.9	8.9	0.67	
10-Deacetyl, 7-epi-Taxol	19.8	0.97	7.6	0.69	12.0	0.95	10.9	10.9	0.82	
Paclitaxel	20.5	1.00	11.0	1.00	12.6	1.00	13.3	13.3	1.00	
Taxol C	25.3	1.23	11.1	1.00	7.8	0.62	7.6	7.6	0.57	
N-Methyl-Taxol	25.9	1.26	14.9	1.35	6.2	0.49	5.7	5.7	0.43	
7-epi-Taxol	29.4	1.43	6.2	0.56	8.1	0.64	8.3	8.3	0.62	
N-Methyl-Taxol C	36.4	1.78	11.7	1.06	4.9	0.39	4.7	4.7	0.35	
2'-Benzoyl-Taxol	42.2	2.06	5.9	0.54	4.3	0.34	4.3	4.3	0.32	
iso-Cephalomannine	---	---	---	---	---	---	---	---	11.9	0.90